Inventor: Andy L. LEE et al. Application No.: Not Yet Assigned Sheet 1 of 14 108 108 104 104 <u>102</u> 102 <u>102</u> 102 <u>102</u> 102 106 106 <u>102</u> <u>102</u> <u>102</u> 102 <u>102</u> <u>102</u> <u>102</u> 102 <u>102</u> <u>102</u> <u>102</u> <u>102</u> <u>102</u> 102 C_{out} <u>100</u> 108 108 104 104 <u>102</u> <u>102</u> 102 <u>102</u> 102 <u>102</u> 106 106 <u>102</u> <u>102</u> <u>102</u> <u>102</u> <u>102</u> 102 <u>102</u> <u>102</u> <u>102</u> 102 102 102 <u>102</u> <u>102</u> C_{out} Cout FIG. 1 (Prior Art)

Title: BYPASS-ABLE CARRY CHAIN IN A PROGRAMMABLE LOGIC DEVICE

Title: BYPASS-ABLE CARRY CHAIN IN A PROGRAMMABLE LOGIC DEVICE

Inventor: Andy L. LEE et al. Application No.: Not Yet Assigned

Sheet 2 of 14

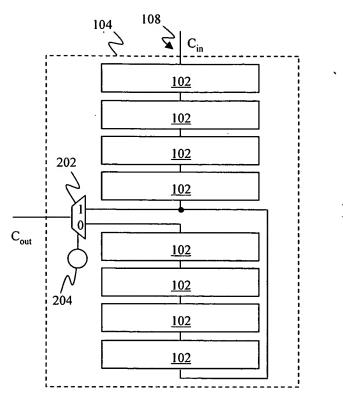


FIG. 2

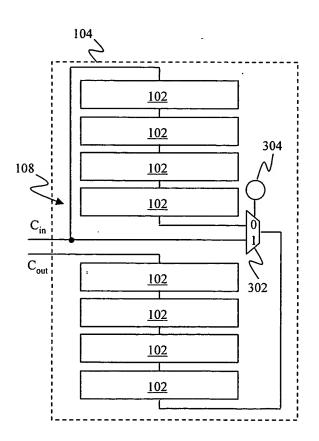


FIG. 3

Title: BYPASS-ABLE CARRY CHAIN IN A PROGRAMMABLE LOGIC DEVICE Inventor: Andy L. LEE et al. Application No.: Not Yet Assigned

Sheet 3 of 14

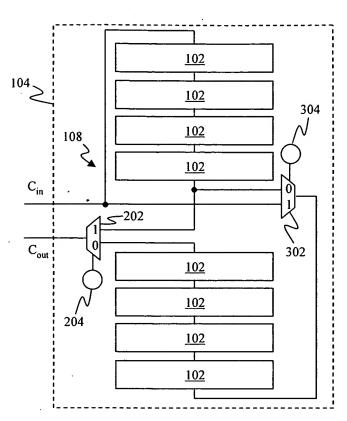


FIG. 4

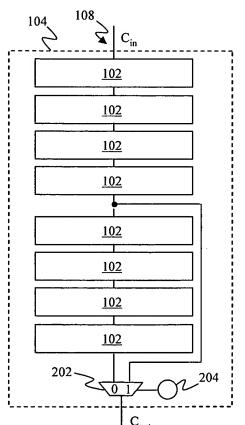
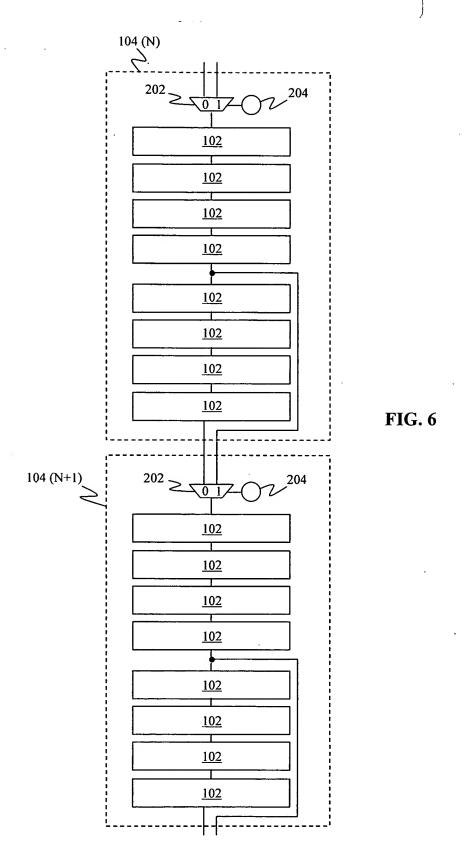


FIG. 5

Sheet 4 of 14



Sheet 5 of 14

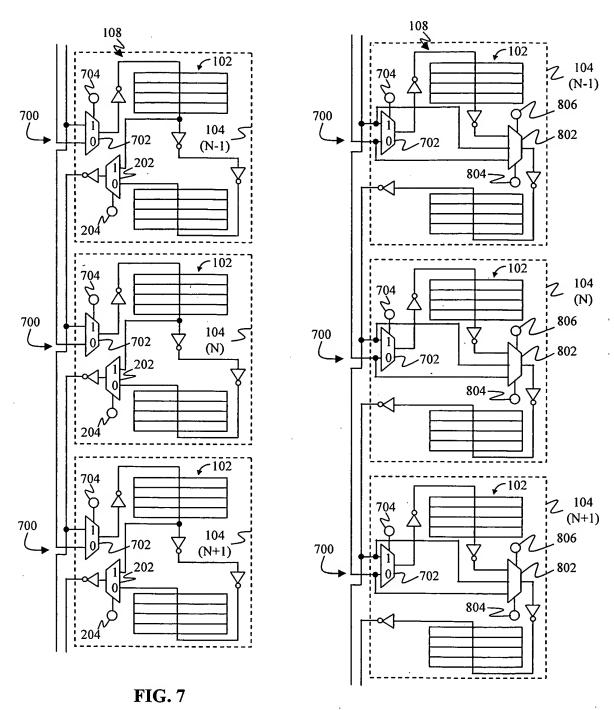
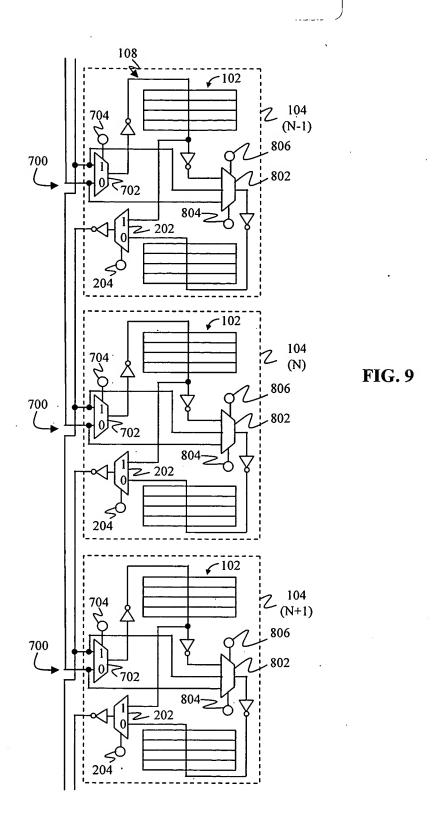


FIG. 8

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Inventor: Andy L. LEE et al.
Application No.: Not Yet Assigned

Sheet 6 of 14



Title: BYPASS-ABLE CARRY CHAIN IN A PROGRAMMABLE LOGIC DEVICE

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Application No.: Not Yet Assigned

Sheet 7 of 14

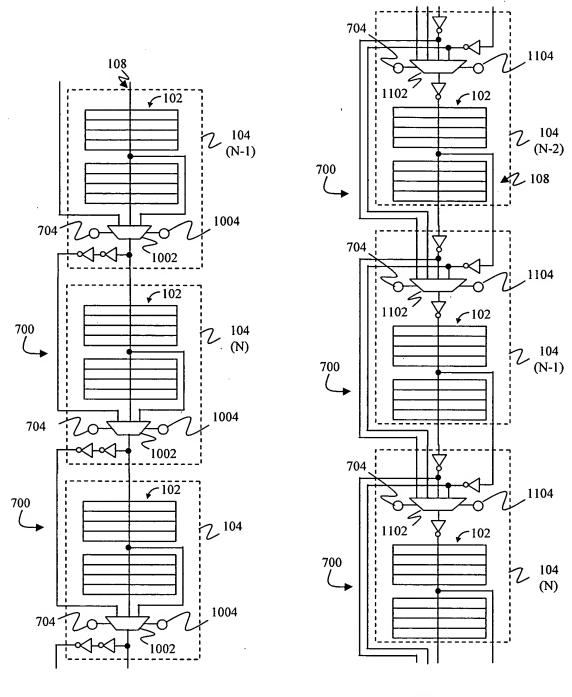


FIG. 10

FIG. 11

Sheet 8 of 14

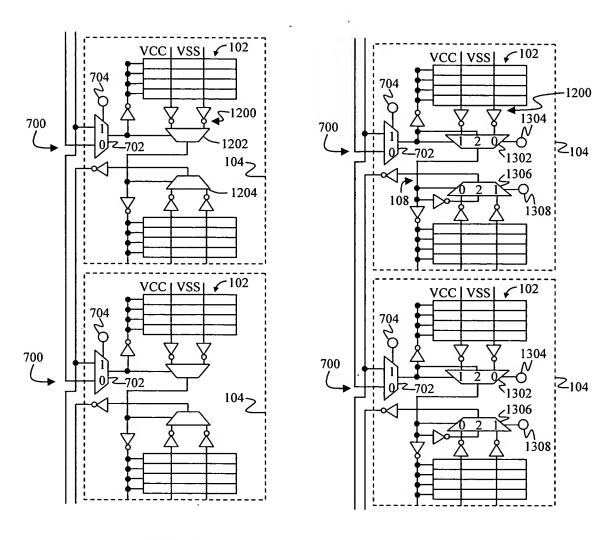
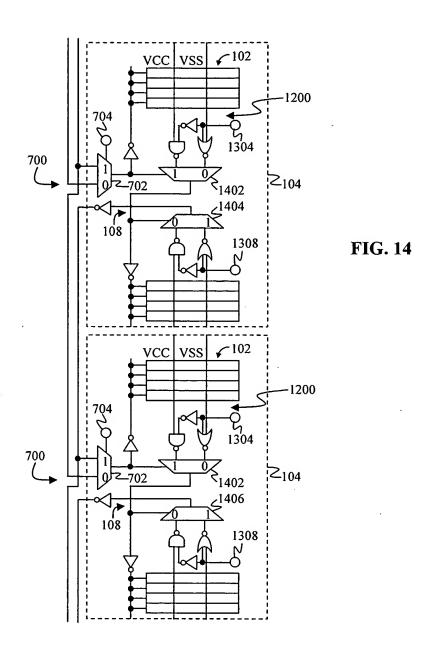


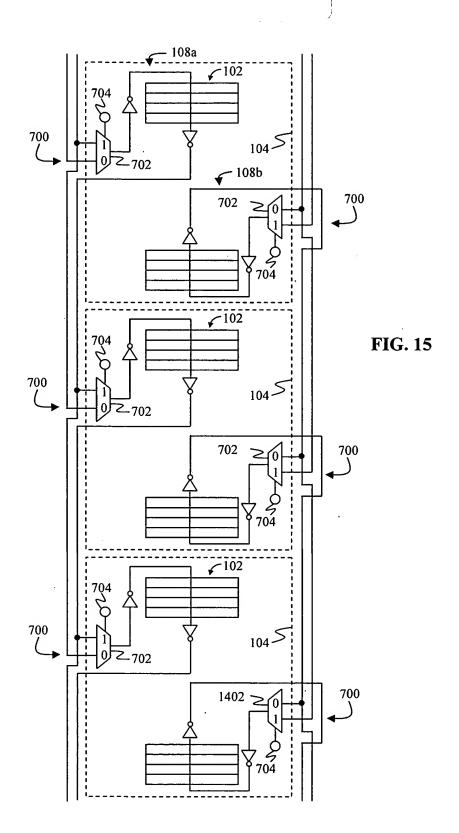
FIG. 12

FIG. 13

Sheet 9 of 14



Sheet 10 of 14



Sheet 11 of 14

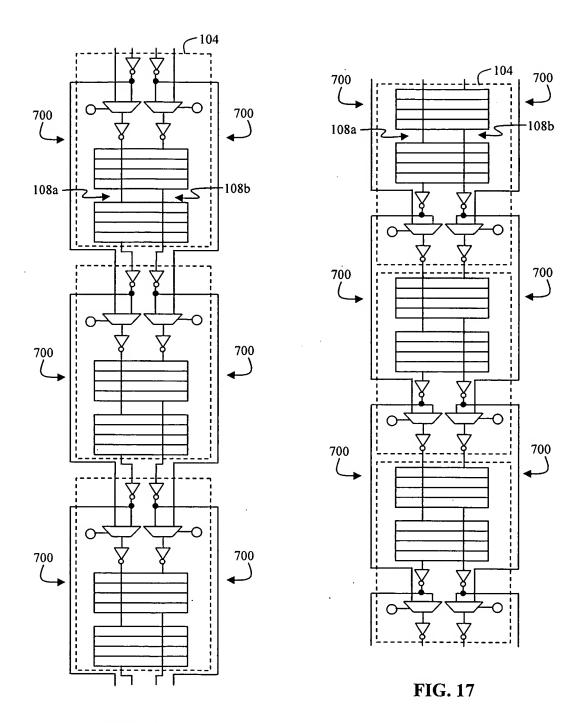
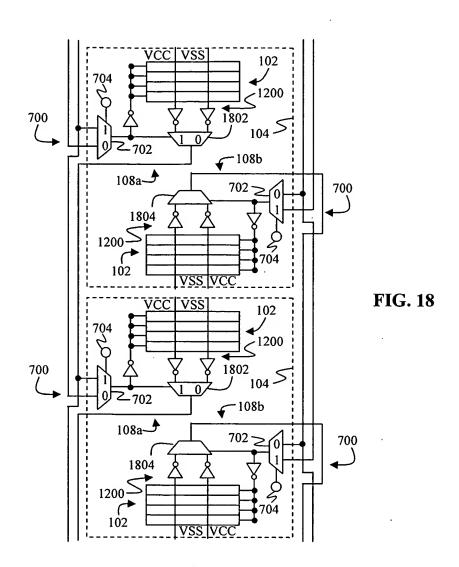
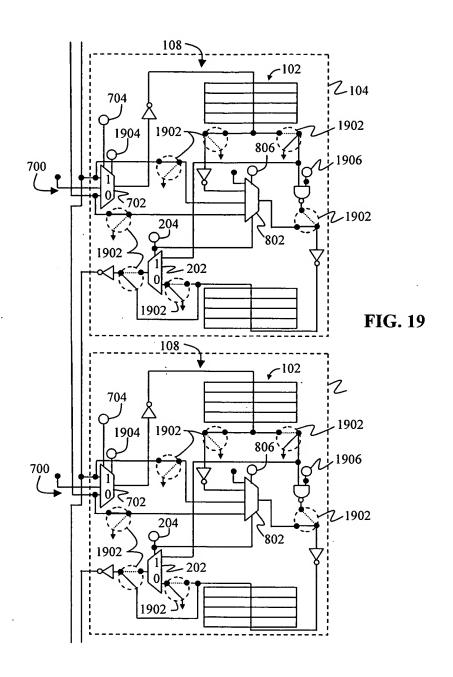


FIG. 16

Sheet 12 of 14



Sheet 13 of 14



Sheet 14 of 14

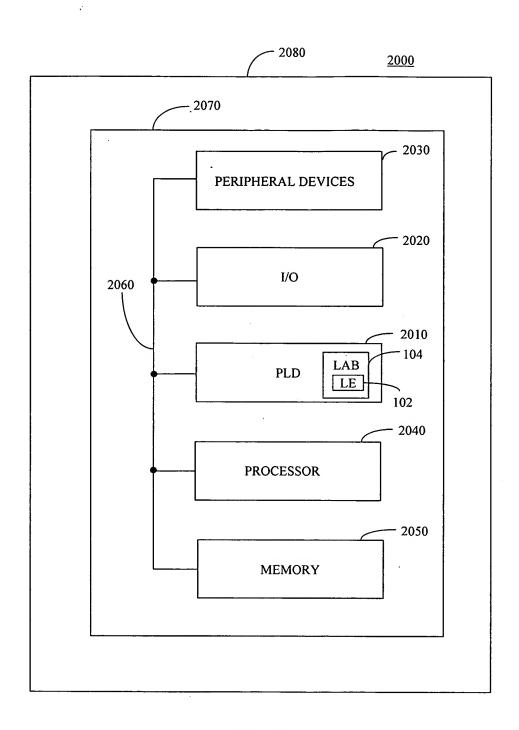


FIG. 20